

WM-75

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model



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**SPORTS
WALKMAN**

SPECIFICATIONS

Tape Transport Mechanism Type MT-WM75-29

Tape track 4-track 2-channel stereo
Fast winding time Approx. 2 min. 20 sec. with Sony Cassette C-60
Frequency response 40-15,000 Hz (with the TAPE selector set to METAL/CrO₂)
40-15,000 Hz (with the TAPE selector set to NORM)

Outputs Two headphones jacks (stereo minijacks)
load impedance 8-300 ohms

Headphones Power output: 10 mW + 10 mW
load impedance 18 ohms

Battery life

Sony SUM-3(NS) New Super or Eveready No. 1215 Heavy duty batteries	Approx. 5
Sony Eveready AM3 Alkaline or Eveready No. E91 batteries	Approx. 10

(hours)

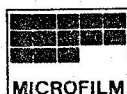
Weight

Power requirements

3V dc, two batteries size AA (IEC designation R6)
DC IN 3V jack accepts;
Battery case (optional) EBP-500
for use on two batteries size D (IEC designation R20)
AC power adaptor (optional)
AC-D2 for use on 120V ac, 60 Hz
Car battery cord (optional)
DCC-70 for use with 12V car battery
Approx. 96.5×116.0×35.8 mm (w/h/d)
(3⁷/₈×4³/₈×1¹/₁₆ inches)
incl. projecting parts and controls
Approx. 92.2×114.4×32 mm (w/h/d)
(3³/₄×4⁵/₈×1⁵/₁₆ inches)
excl. projecting parts and controls
Approx. 290 g (10.3 oz) incl. batteries

Dimensions

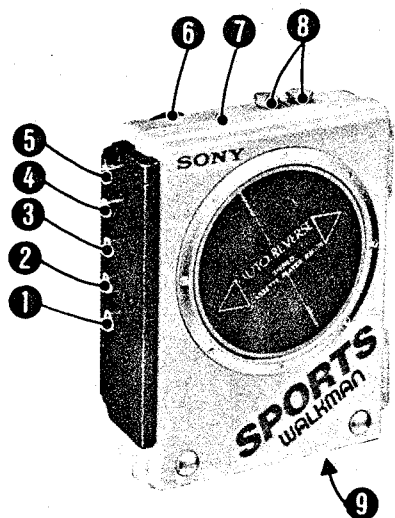
For maximum performance, we recommend the use of alkaline batteries.



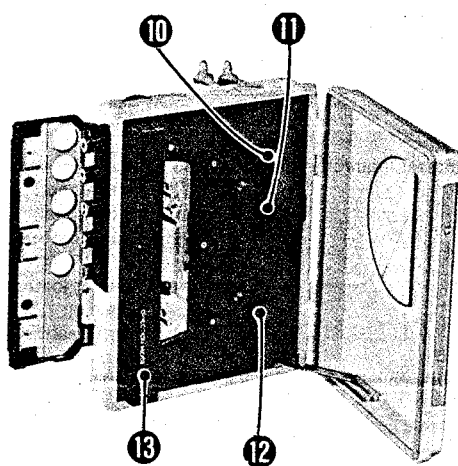
STEREO CASSETTE PLAYER
SONY®



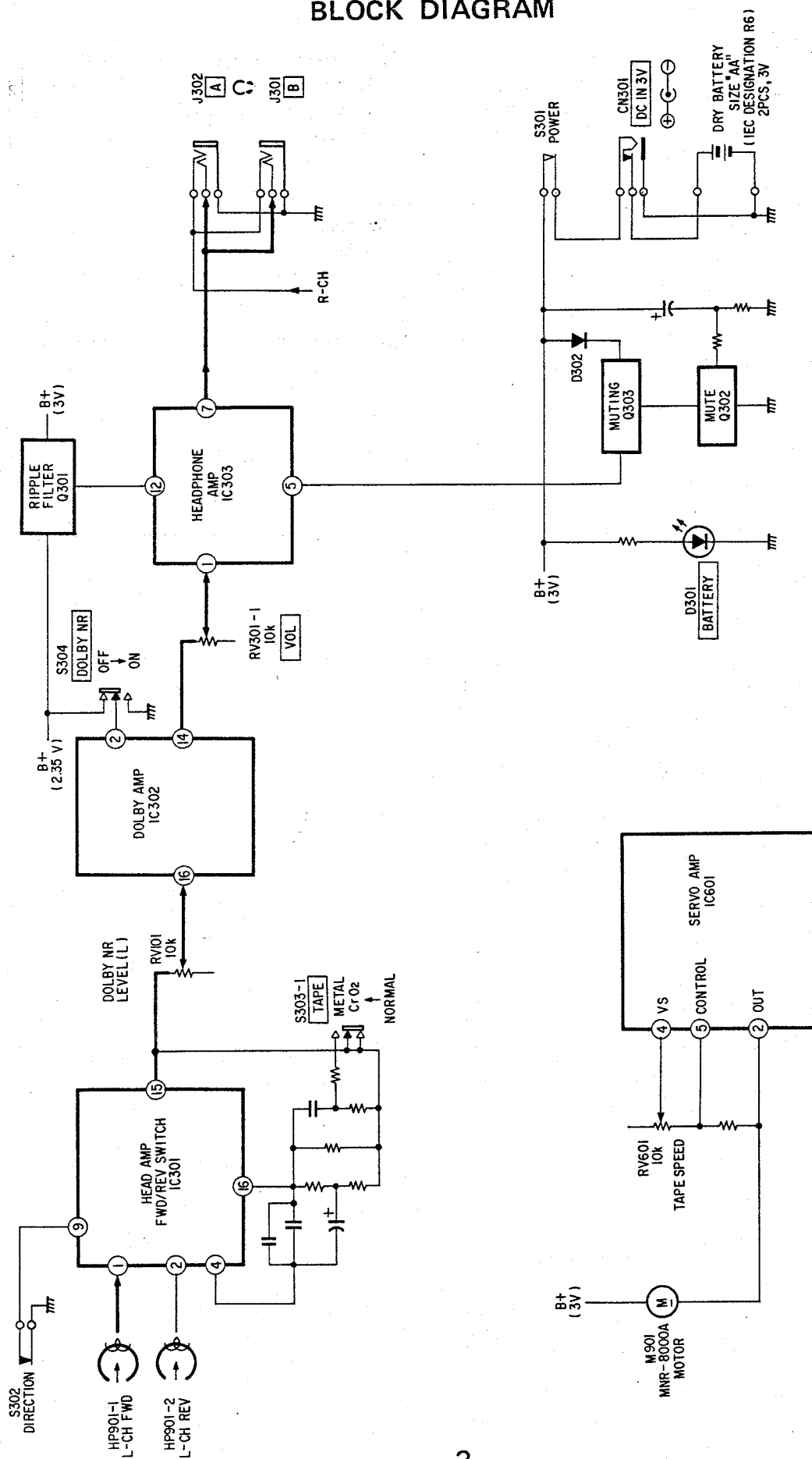
PARTS IDENTIFICATION



- ① ◀▶ DIRECTION (tape transport direction) button
- ② ▶▶ (fast forward) button
- ③ ◀◀ (fast reverse) button
- ④ ▶ (playback) button
- ⑤ ■ (stop) button
- ⑥ VOL (volume) control
- ⑦ BATTERY indicator
- ⑧ Ⓜ (headphones) jacks
- ⑨ DC IN 3V (external power input) jack (bottom)
- ⑩ DOLBY NR (noise reduction) switch
- ⑪ TAPE selector
- ⑫ Battery compartment
- ⑬ DIRECTION MODE switch



SECTION 1 BLOCK DIAGRAM



— R - CH —
SEME AS L - CH

SERVICING NOTES

- Replacing chip components

All chip components should be connected and disconnected, using a tapered soldering iron [temperature of the iron tip: less than 280°C (536°F)], a pair of tweezers and braided wire.

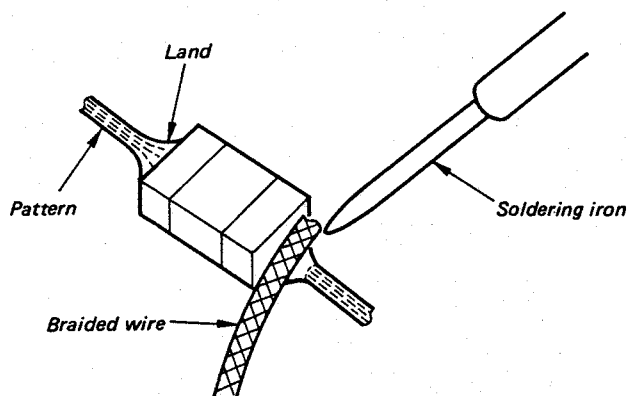
Precautions for replacement

1. Do not disconnect the chip component forcefully. Otherwise, the pattern may peel off.
2. Never re-use a disconnected chip component. Dispose of all old chip components.
3. To protect the chip component, heating time for attaching the component should be within 3 seconds.

- Removing chip components

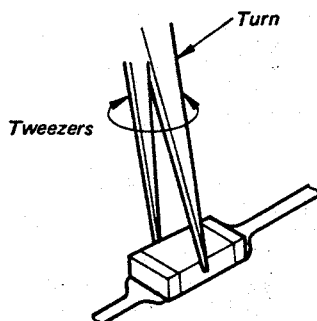
(1) Removing solder at electrode

Remove the solder at the electrode, using a thin braided wire. Do not remove the solder of the part (chip component) attached adjacent to the electrode.



(2) Disconnecting chip components

Turn the tweezers with the soldering iron alternately applied to both electrodes, and the chip component will be disconnected. Take careful precautions while disconnecting, because if the chip component is forcefully removed the land may peel off. Never re-use a disconnected chip component.



(3) Smoothing the soldered surface

After disconnecting the chip component, remove the solder by using a braided wire to smooth the land surface.

- Connecting chip components

The value of chip components is not displayed on the main body. Take due precautions to avoid mixing new chip components with other ones.

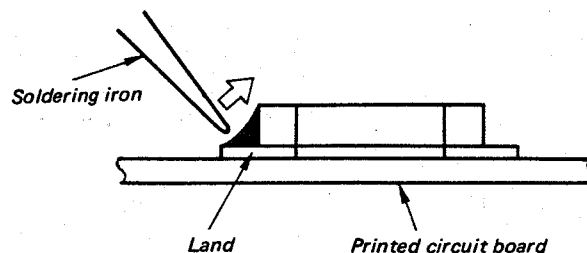
(1) Applying solder to land on one side

Apply a thin layer of solder to the land on one side where the chip component is to be connected. Too much solder may cause bridging.



(2) Speedy soldering

Hold the chip component at the desired position, using tweezers, and apply the soldering iron in the arrow-marked direction. To protect the chip component, heating time should be within 3 seconds.



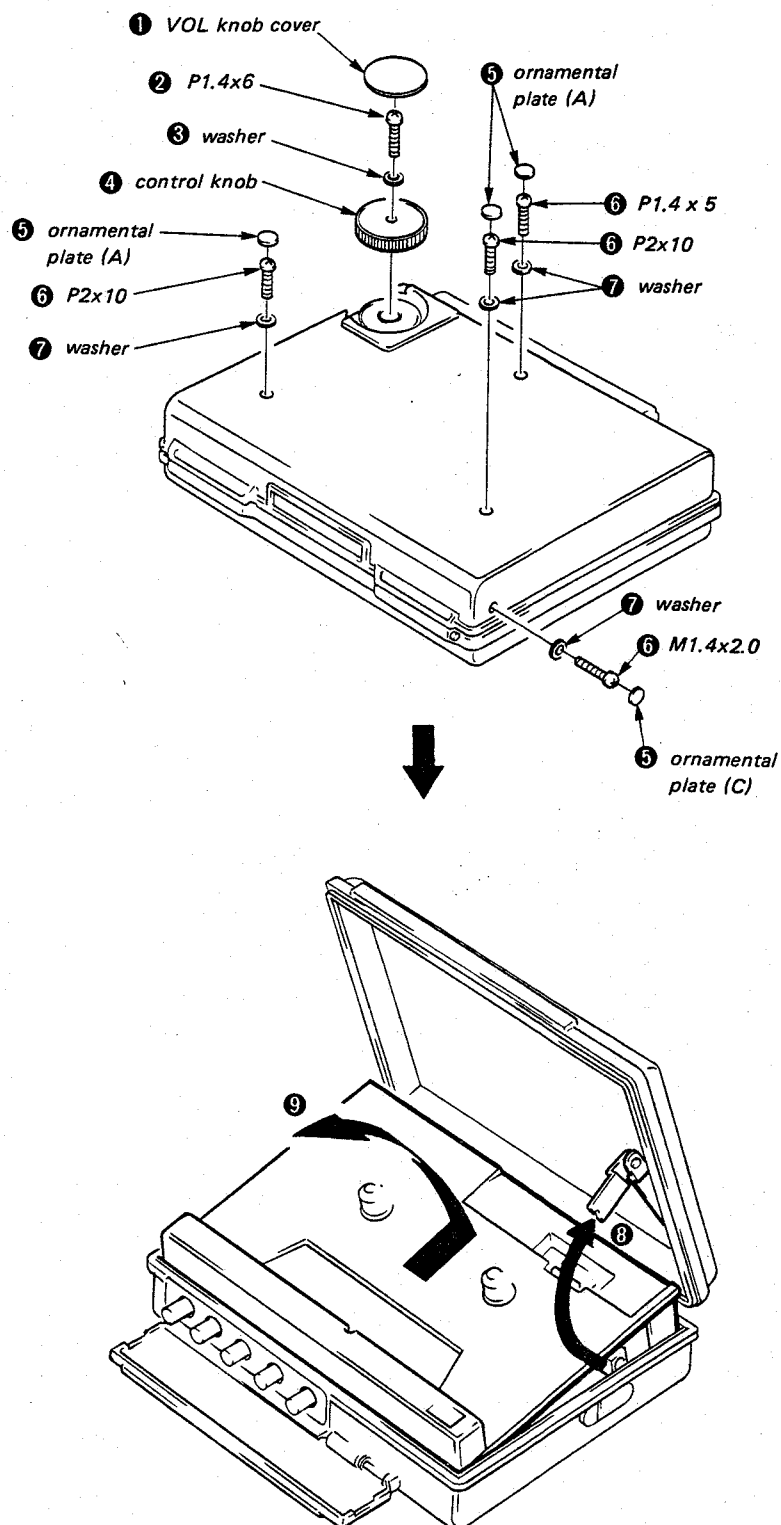
(3) Speedy soldering of electrode on the other side

Solder the electrode on the other side in the same way as in (2) above.

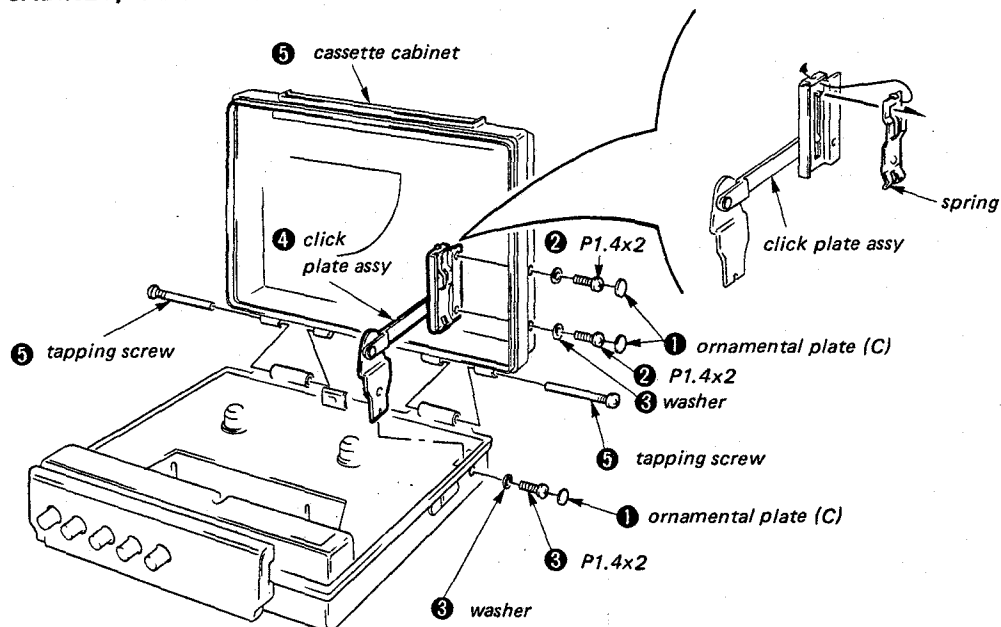
SECTION 3 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

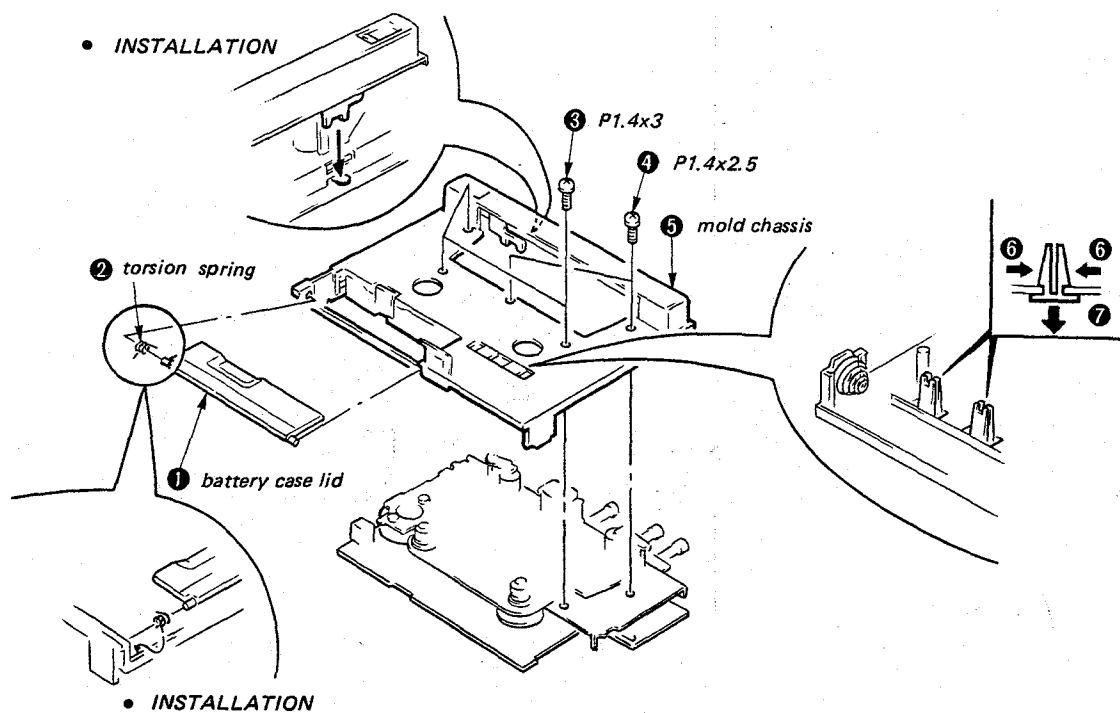
UNIT REMOVAL



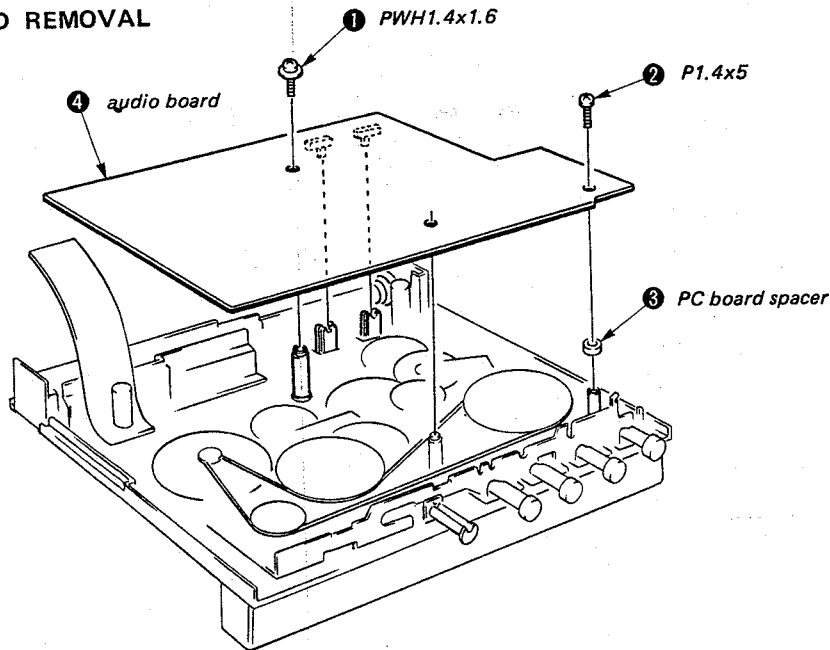
CASSETTE CABINET, CLICK PLATE REMOVAL



BATTERY CASE, MOLD CHASSIS REMOVAL

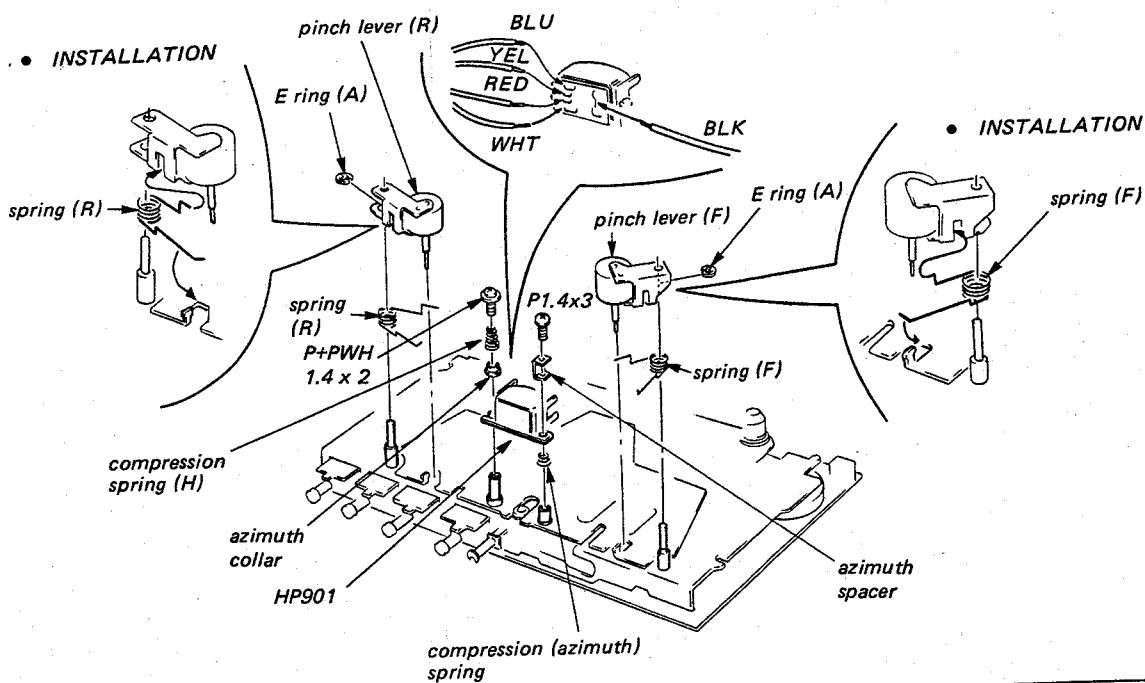


AUDIO BOARD REMOVAL

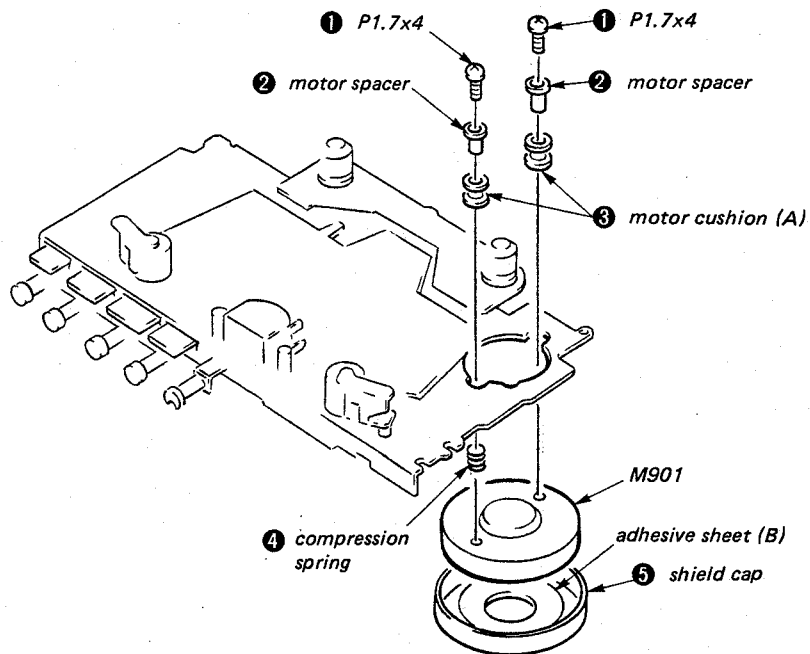


PLAYBACK HEAD (HP901), PINCH LEVER (F)/(R) REMOVAL

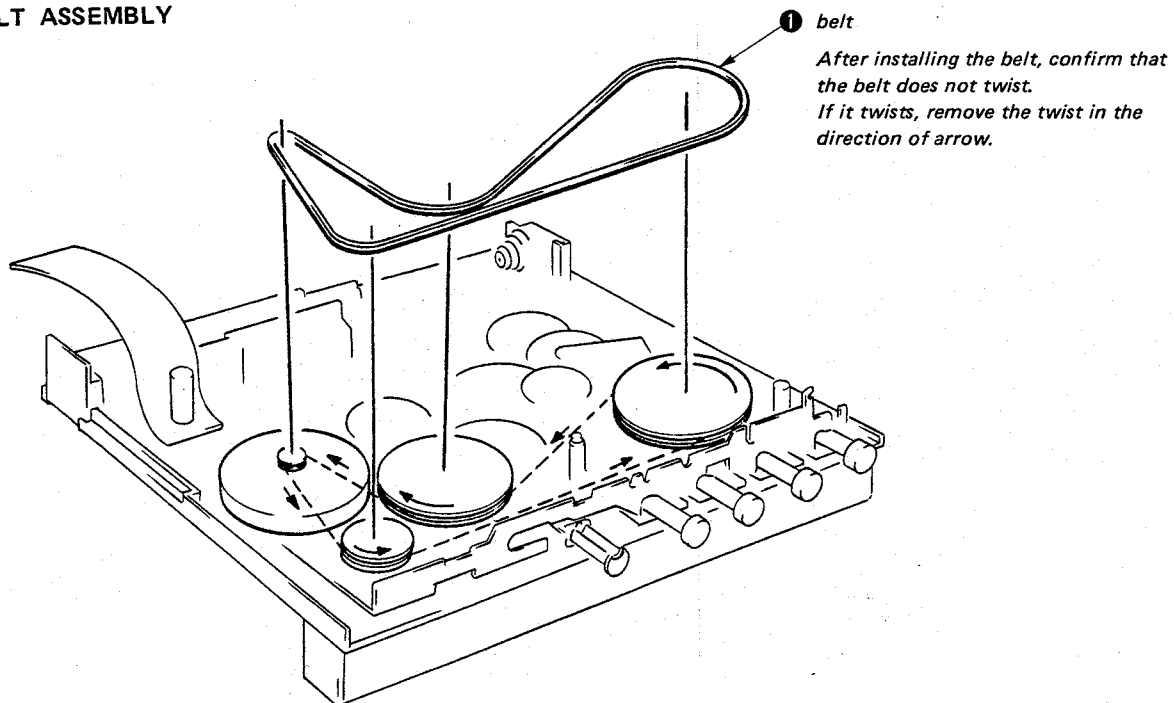
• INSTALLATION



DC MOTOR (M901) REMOVAL



BELT ASSEMBLY



SECTION 4 ADJUSTMENTS

4-1. MECHANICAL ADJUSTMENTS

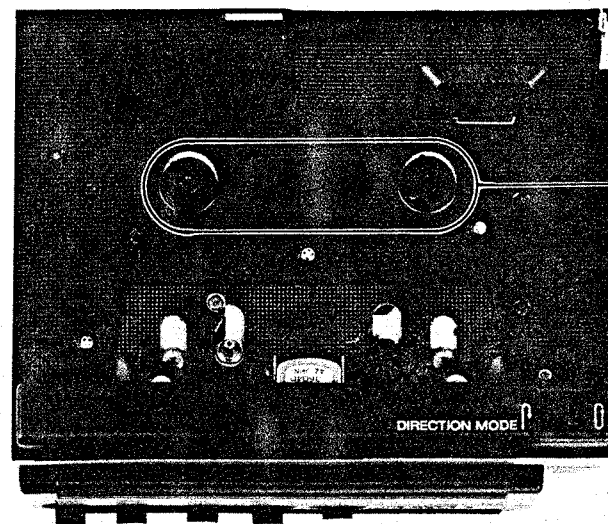
PRECAUTION

1. Clean the following parts with a denatured alcohol-moistened swab:

playback head	pinch roller
erase head	rubber belts
capstan	idlers
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Mode	Torque meter	Meter reading
FWD	CQ-102C	20 – 35 g.cm (0.28 – 0.49 oz-inch)
FWD Back Tension		2 – 4.5 g.cm (0.03 – 0.06 oz-inch)
REV	CQ-102RB	20 – 35 g.cm (0.28 – 0.49 oz-inch)
REV Back Tension		2 – 4.5 g.cm (0.03 – 0.06 oz-inch)
FF, REW	CQ-201B	more than 60 g.cm (0.83 oz-inch)

Mode	Tension meter	Meter reading
FWD	CQ-403A	more than 60 g (2.1 oz)
REV	CQ-403R	more than 60 g (2.1 oz)



4-2. ELECTRICAL ADJUSTMENTS

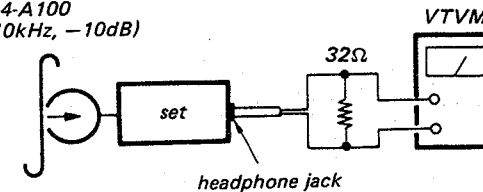
PB Head Azimuth Adjustment

Adjust for both in FWD direction and REV direction.

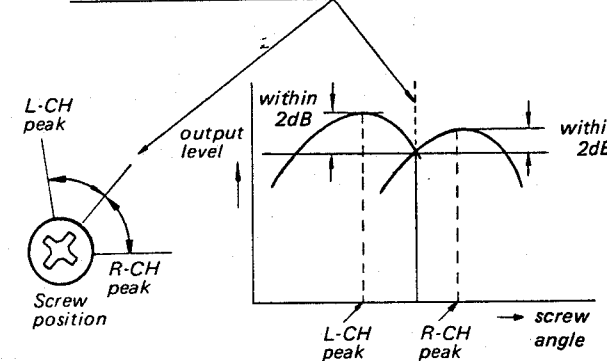
Procedure:

1. Mode: playback (FWD and REV)

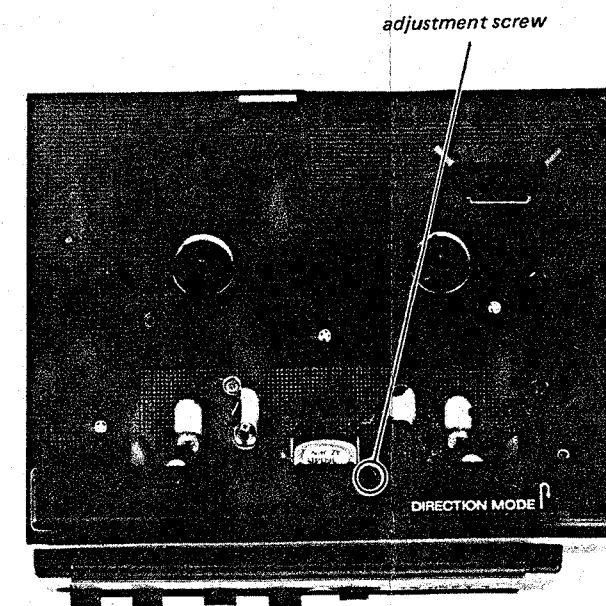
test tape
P-4-A100
(10kHz, -10dB)



2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 2 dB.

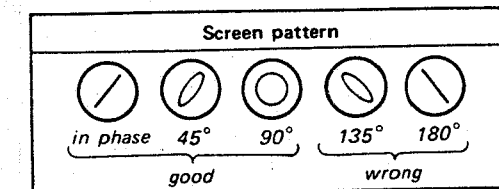
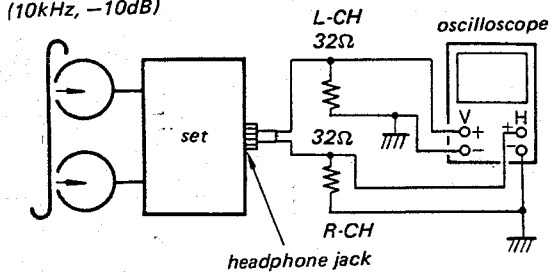


Note: Finish the screw adjustment with a turn in the clockwise direction. After the adjustment, lock the adjustment screw with suitable locking compound.



3. Phase Check
Mode: playback (FWD and REV)

test tape
P-4-A100
(10kHz, -10dB)



Tape Speed

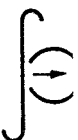
Setting:

VOL cc

Procedure:

Model

test tape
WS-48A
(3kHz, 0



1. Play the tape and add
2. Reverse the frequency in REVER
3. Reverse the frequency tape in REVER. If it is

marking on
R

the tape sp
the beginni
the tape in
mode again
of the end
tape in FW

Specificati

Speed ch

 $\pm 1'$ $\pm 1'$ 

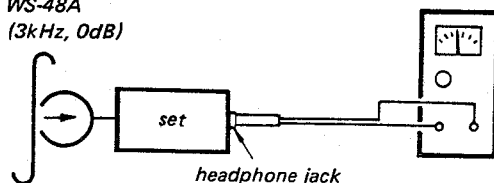
Tape Speed Adjustment

Setting:

VOL control: mechanical mid

Procedure:

Mode: playback

test tape
WS-48A
(3kHz, 0dB)speed checker or
digital frequency
counter

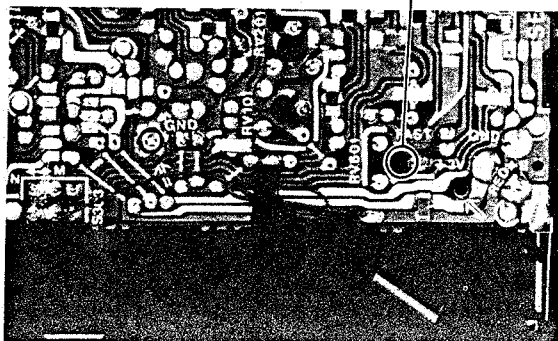
1. Play back the end of the tape in FWD mode and adjust RV601 for the specification.
2. Reverse the tape and confirm that the frequency difference between the beginning of the tape in FWD mode and the end of the tape in REV mode is within $\pm 2.5\%$ ($\pm 75\text{Hz}$).
3. Reverse the tape again, confirm that the frequency difference between the end of the tape in FWD mode and the beginning of the tape in REV mode is within $\pm 2.5\%$ ($\pm 75\text{Hz}$). If it is not, replace flywheel R.

marking on flywheel R	no ditch	one ditch	two ditches
the tape speed of the beginning of the tape in REV mode against that of the end of the tape in FWD mode	no ditch	one ditch	two ditches
	slow	←	→ fast

Specification:

Speed checker	Digital frequency counter
$\pm 1\%$	2970 – 3030 Hz

RV601



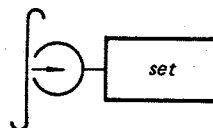
Dolby Level Adjustment

Setting:

TAPE switch: NORM
DOLBY NR switch: OFF
VOL control: minimum

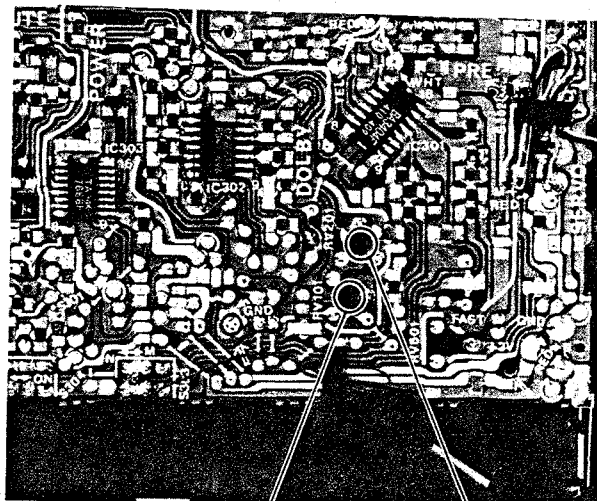
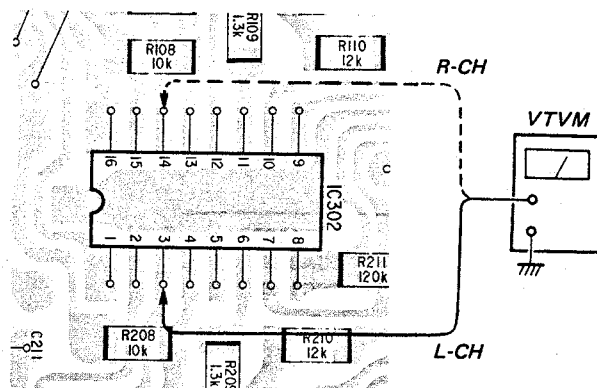
Procedure:

1. Mode: playback

test tape
P-4-L300
(315Hz, 0dB)

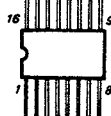
Adjust RV101 (L-CH) and RV201 (R-CH) for 29 – 36mV (–28.7 to –26.7dB) reading on VTVM.

Adjustment Location: audio board

RV101
(L-CH)RV201
(R-CH)

SECTION 5
DIAGRAMS

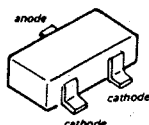
● Semiconductor Lead Layouts

BA3404F
CX20085
TA7688F

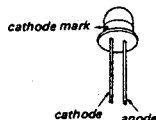
LA5523



1S2835



SLP135B

2SA1162
2SA812
2SC1623

Note:

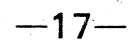
- — : parts extracted from the conductor side.
- — : signal path
- — : L-CH signal path
- — : R-CH signal path
- : B + pattern

Note:

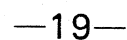
- All capacitors are in μF unless otherwise noted. pF: μF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- : L-CH signal path
- : R-CH signal path
- Components for right channel have same values as for left channel. Reference numbers are coded from 200.
- : B + bus.
- : adjustment for repair.
- Total current is measured with no cassette installed.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions with a VOM (50k Ω /V).
- no mark: playback
- Voltage variations may be noted due to normal production tolerances.
- : PLAY : REW
- : FF : STOP
- Switch

Ref. No.	Switch	Position
S301	POWER	OFF
S302	DIRECTION	—
S303	TAPE	NORMAL
S304	DOLBY NR	OFF

WM-75 WM-75



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SECTION 6 EXPLODED VIEWS AND PARTS LIST

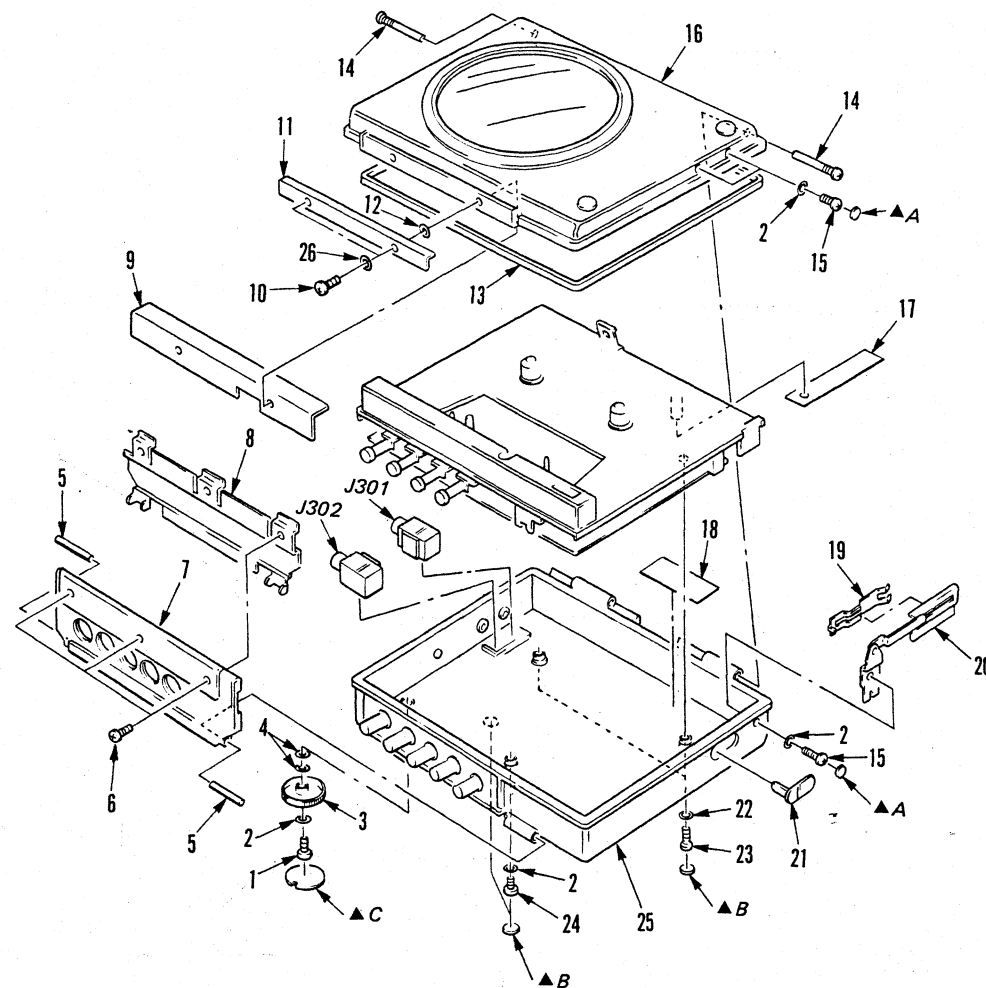
NOTE:

The mechanical parts with no reference number in the exploded views are not supplied.

Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The construction parts of an assembled part are indicated with a collation number in the remark column.

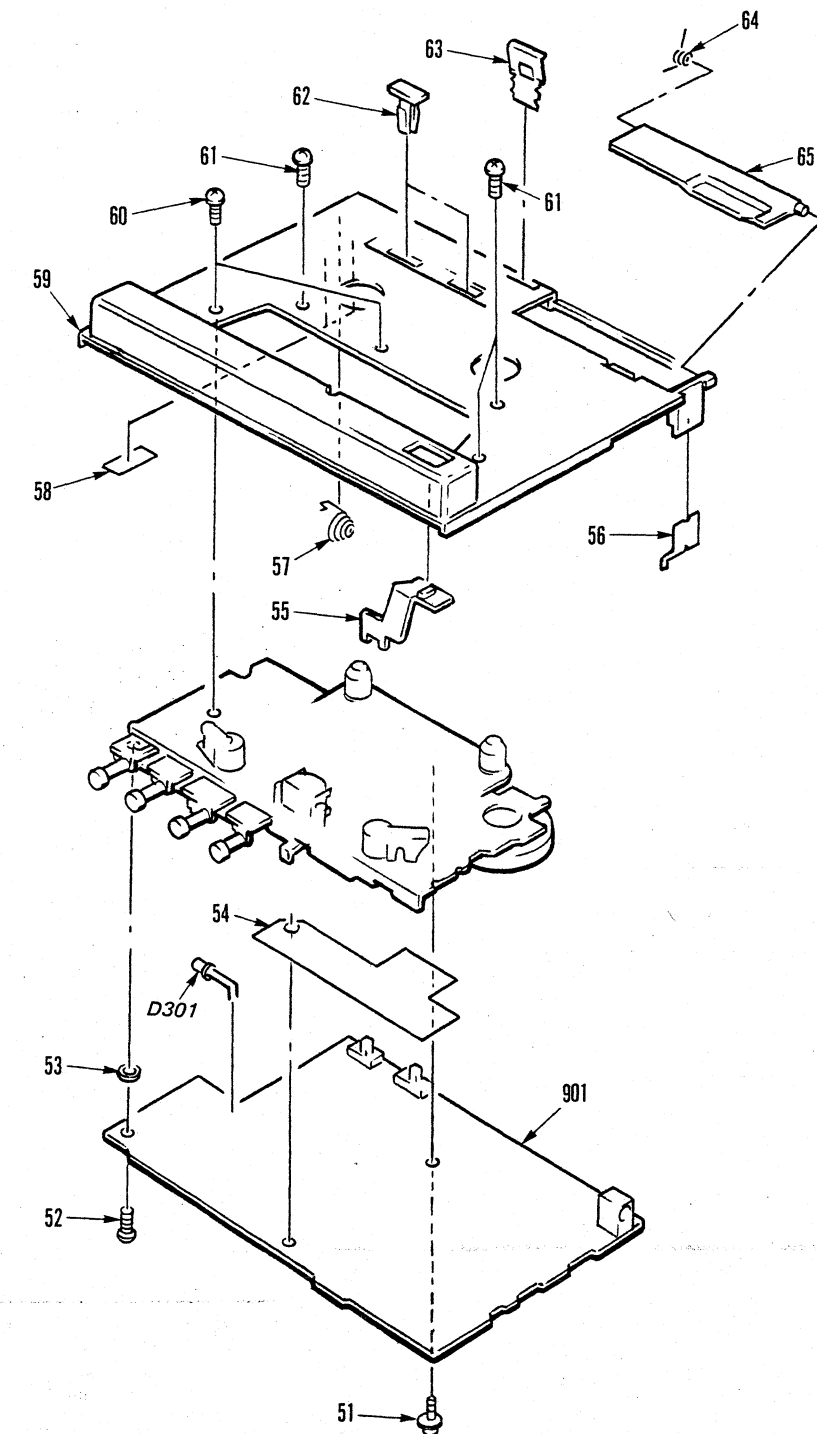
(1)



No.	Part No.	Description	Remarks
1	3-326-147-11	SCREW 0 P2 M1.4	
2	3-326-135-01	WASHER	
3	3-326-124-01	KNOB, CONTROL	
4	3-326-148-01	PACKING (A)	
5	3-649-266-00	PIN, PARALLEL	
6	7-627-551-98	PRECISION SCREW +P 1.4X2.2	
7	3-326-126-01	BUCKLE	
8	3-326-120-11	STOPPER, BUCKLE	
9	*3-326-111-01	RETAINER (B)	
10	3-326-145-11	SCREW 0 P2 M1.7	
11	*3-326-121-01	RETAINER (A)	
12	3-326-149-01	PACKING (B)	
13	3-326-137-01	PACKING, CABINET	
14	3-326-536-11	SCREW, TAPPING	
15	3-703-816-41	SCREW (M1.4X2.5), SPECIAL HEAD	
16	X-3326-112-1	(YELLOW)...CABI CASSETTE	
	X-3326-117-1	(BLUE)...CABI CASSETTE	
	X-3326-118-1	(RED)...CABI CASSETTE	
17	9-911-816-01	RIBBON	
18	3-701-999-00	LABEL, SERIAL NUMBER	
19	3-326-549-01	SPRING	
20	X-3326-102-1	PLATE ASSY, CLICK	
21	3-312-826-00	PACKING, DC JACK	

No.	Part No.	Description	Remarks
22	3-326-136-01	WASHER	
23	7-685-106-14	SCREW +P 2X10 TYPE2 NON-SLIT	
24	3-703-502-01	SCREW	
25	X-3326-113-1	(YELLOW)...CABI CONT	
	X-3326-115-1	(BLUE)...CABI CONT	
	X-3326-116-1	(RED)...CABI CONT	
26	3-326-161-11	WASHER	
The following part consists of five sets of ornamental plate and washer.			
	X-3326-114-1	(YELLOW)...ORNAMENTAL, PLATE AND WASHER ASSY	
	X-3326-119-1	(BLUE)...ORNAMENTAL, PLATE AND WASHER ASSY	
	X-3326-120-1	(RED)...ORNAMENTAL, PLATE AND WASHER ASSY	
The assembled part above consists of the following parts.			
	▲A 3-326-117	PLATE (C), ORNAMENTAL, SCREW	
	▲B 3-312-841	PLATE (A), ORNAMENTAL, SCREW	
	▲C 3-326-116	COVER, VOL, KNOB	
	▲D 3-326-135	WASHER (φ1.5)	
	▲E 3-326-136	WASHER (φ1.6)	
	▲F 3-701-616	BAG, POLYETHYLENE	

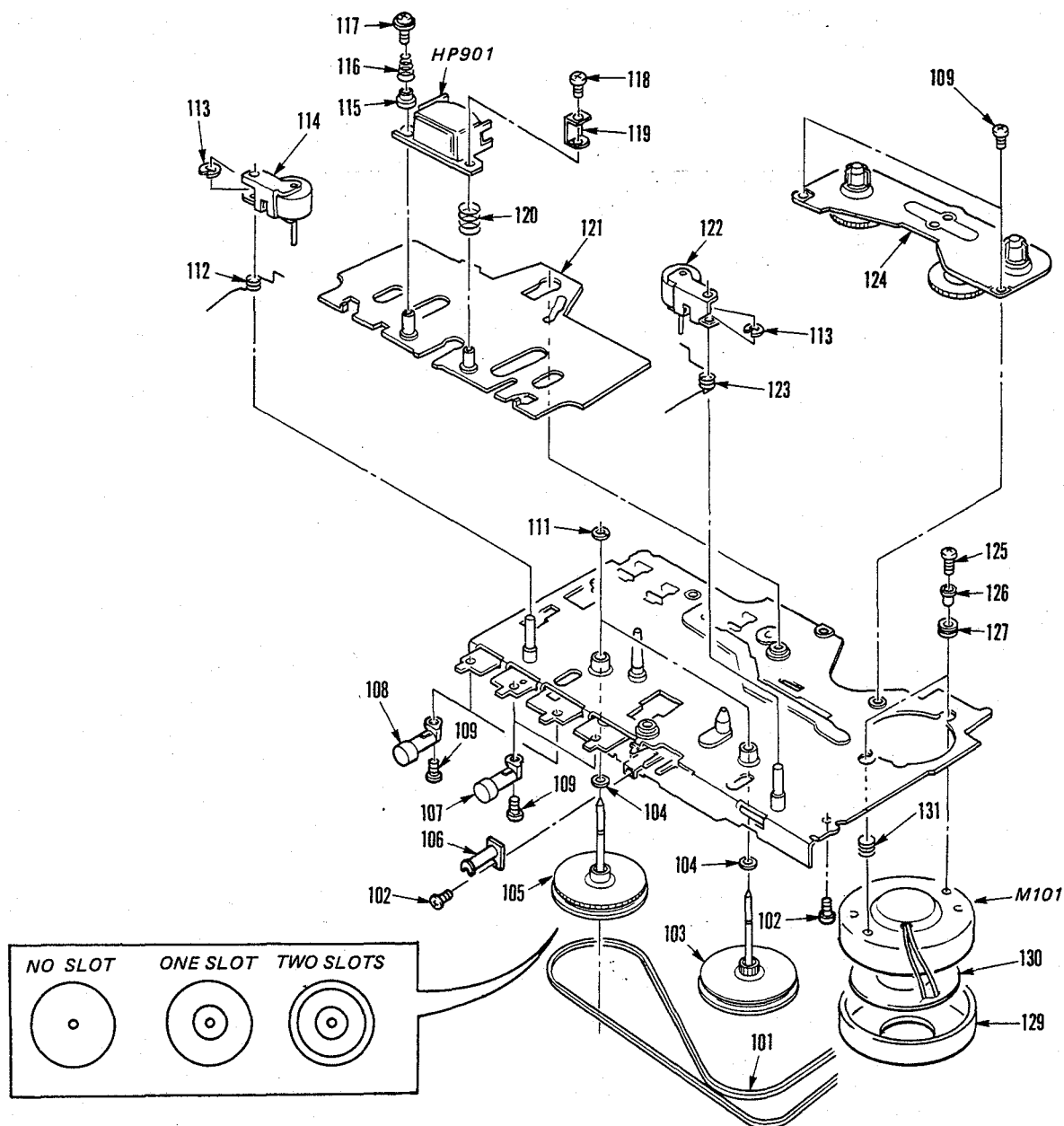
(2)



No.	Part No.	Description	Remarks
51	3-703-502-51	SCREW	
52	7-627-851-27	SCREW, PRECISION +P 1.4X5	
53	3-326-114-01	SPACER, PC BOARD	
54	3-326-159-01	SHEET (B), SHIELD	
55	3-326-113-01	KNOB, SELECTION, MODE	
56	3-326-115-01	TERMINAL BOARD, BATTERY	
57	3-326-138-01	SPRING	
58	*3-892-151-01	SHEET (E)	

No.	Part No.	Description	Remarks
59	3-326-127-01	CHASSIS, MOLD	
60	7-627-551-27	SCREW, PRECISION +P 1.4X2.5	
61	7-627-551-57	SCREW, PRECISION +P 1.4X3	
62	3-326-123-01	KNOB	
63	3-326-112-01	SPRING	
64	3-326-134-01	SPRING, TORSION	
65	3-326-118-01	LID, BATTERY CASE	
901	*A-3070-147-A	MOUNTED PCB, MAIN	

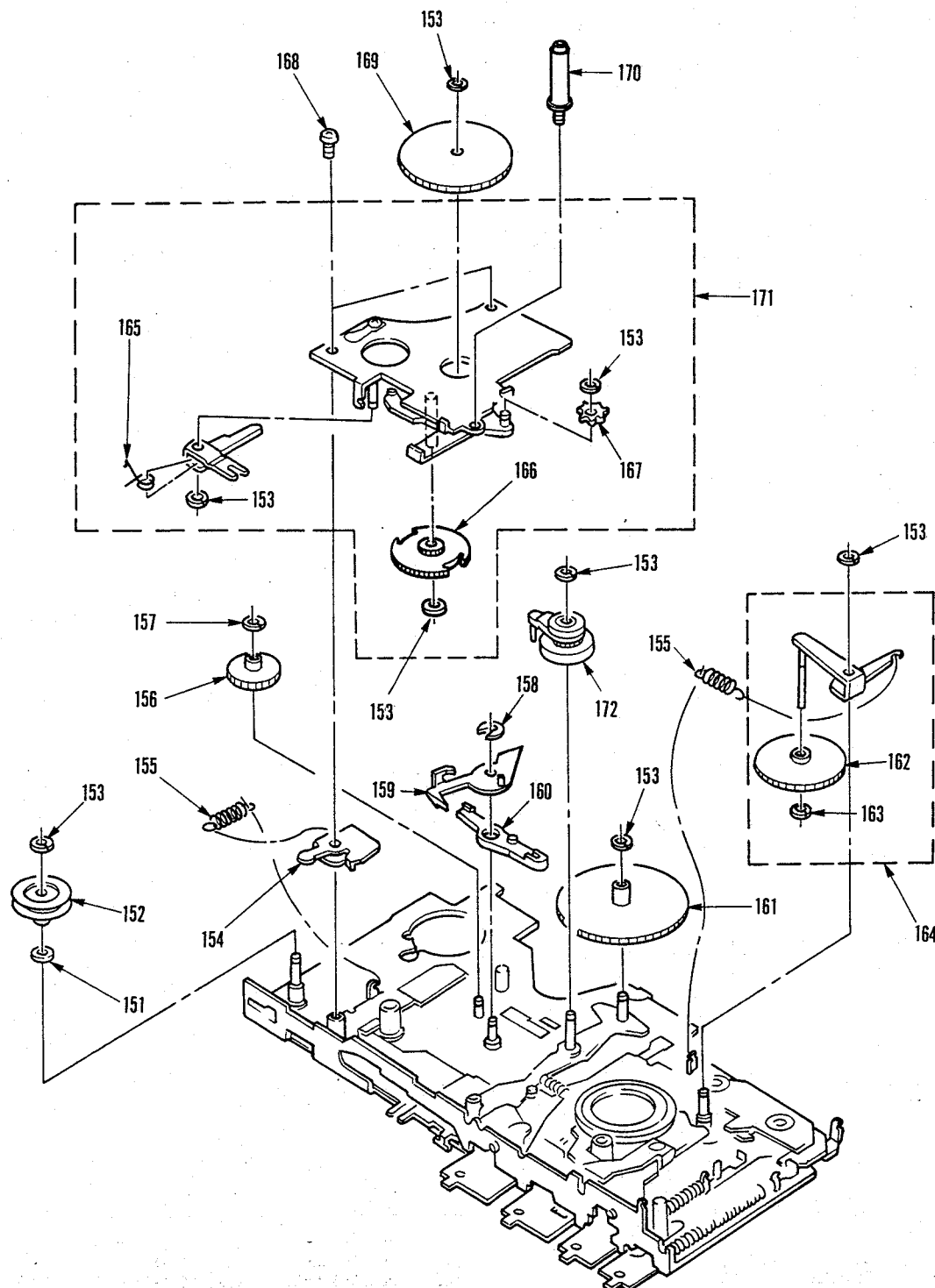
(3)



No.	Part No.	Description	Remarks
101	3-325-387-01	BELT	
102	3-703-816-01	SCREW (M1.4X2.0), SPECIAL HEAD	
103	X-3325-206-1	FLYWHEEL (F) ASSY	
104	3-321-489-01	WASHER	
105	X-3325-212-1	FLYWHEEL (R) ASSY (NO SLOT)	
	X-3325-213-1	FLYWHEEL (R) ASSY (ONE SLOT)	
	X-3325-214-1	FLYWHEEL (R) ASSY (TWO SLOTS)	
106	3-326-550-01	BUTTON, D	
107	*3-326-125-01	BUTTON (B), MIDWAY	
108	*3-326-122-01	BUTTON (A), MIDWAY	
109	7-627-451-17	SCREW, PRECISION +K 1.4X2.5	
111	3-321-483-11	RING, RETAINING	
112	3-325-332-01	SPRING (R)	
113	3-590-768-00	RING (A), E	
114	X-3324-920-1	PINCH LEVER (R) ASSY	
115	3-325-358-01	COLLAR, AZIMUTH	
116	3-318-106-01	SPRING (H), COMPRESSION	
117	3-703-502-12	SCREW	

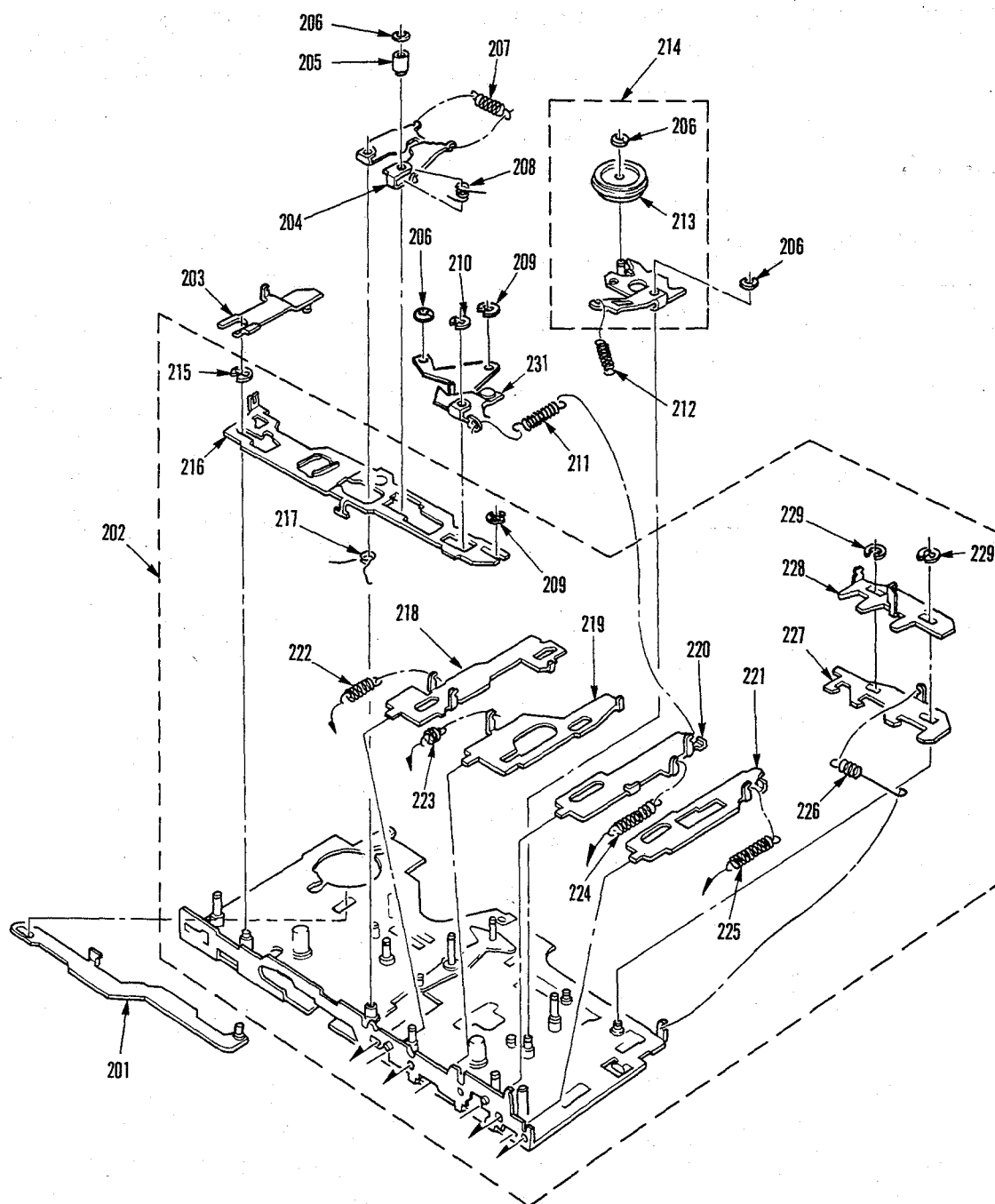
No.	Part No.	Description	Remarks
118	7-627-551-58	SCREW, PRECISION +P 1.4X3	
119	3-325-396-01	SPACER, AZIMUTH	
120	3-325-380-01	SPRING, COMPRESSION (AZIMUTH)	
	3-325-380-11	SPRING, COMPRESSION (AZIMUTH)	
121	X-3324-930-1	CHASSIS ASSY, HEAD	
122	X-3324-919-1	PINCH LEVER (F) ASSY	
123	3-325-331-01	SPRING (F)	
124	X-3324-915-1	TABLE ASSY, REEL	
125	7-627-552-48	SCREW, PRECISION +P 1.7X4	
126	3-325-385-01	SPACER, MOTOR	
127	3-570-770-00	CUSHION (A), MOTOR	
129	*3-324-723-01	CAP, SHIELD	
130	3-326-160-01	ADHESIVE SHEET (B)	
131	3-325-395-01	SPRING, COMPRESSION	
HP901	8-825-537-51	HEAD, PLAYBACK PP238-3604D	
M901	8-835-136-01	MOTOR, DC (MNR-8000A)	

(4)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
151	3-325-306-01	WASHER (DIA. 1.6)		162	3-324-947-01	GEAR, FR	
152	3-325-393-01	PULLEY, MIDWAY		163	3-315-384-11	WASHER, STOPPER	
153	3-570-615-00	POLY-WASHER (DIA.1.2)		164	*X-3324-912-1	LEVER ASSY, FR GEAR	
154	X-3324-921-1	LIMITER ASSY, FWD		165	3-324-996-01	SPRING	
155	3-325-349-01	SPRING, TENSION		166	3-325-363-01	GEAR, D	
156	3-325-323-01	GEAR, CAM		167	3-324-967-01	GEAR, MODE CHANGE	
157	3-325-394-01	WASHER, STOPPER (t=0.25)		168	3-703-816-01	SCREW (M1.4X2.0), SPECIAL HEAD	
158	3-325-386-01	RING (A), C		169	3-324-949-01	GEAR, SHUT-OFF	
159	3-325-357-01	LEVER, SHUT-OFF		170	3-325-254-01	SHAFT, GROUND	
160	3-325-326-01	LEVER (B), SHUT-OFF		171	*X-3324-914-1	CHASSIS COMPLETE ASSY, D	
161	3-325-324-01	GEAR, IDLER		172	3-324-993-01	LEVER, SELECTION, DIRECTION	

(5)



No.	Part No.	Description	Remarks
201	X-3324-923-1	SLIDER ASSY, SHUT-OFF	
202	*X-3326-101-1	LEVER ASSY, CONTROL	
203	X-3324-922-1	LEVER ASSY, MODE SELECTION	
204	3-325-265-01	LEVER (C), IDLER	
205	3-325-263-01	COLLAR (B), IDLER	
206	3-578-224-21	POLY-WASHER (DIA.1.2)	
207	3-325-318-01	SPRING, TENSION	
208	3-325-266-01	SPRING	
209	3-590-768-00	RING (A), E	
210	3-578-254-00	RING, RETAINING, E1.2	
211	3-325-288-01	SPRING (POWER TENSION), TENSION	
212	3-325-348-01	SPRING, TENSION	
213	X-3325-205-1	IDLER ASSY, FWD	
214	X-3324-931-1	IDLER COMPLETE ASSY, FWD	
215	7-624-104-04	STOP RING 2.0, TYPE -E	
216	X-3324-924-1	SLIDER ASSY, D	

No.	Part No.	Description	Remarks
217	*3-325-341-01	SPRING	
218	3-325-365-11	LEVER, FF	
219	3-325-325-01	LEVER, REW	
220	3-325-399-11	LEVER (B), FWD	
221	3-325-397-11	LEVER (B), RA	
222	3-325-350-01	SPRING, TENSION (POWER TENSION)	
223	3-325-345-01	SPRING, TENSION (POWER TENSION)	
224	3-326-561-01	SPRING (POWER TENSION), TENSION	
225	3-325-347-01	SPRING, TENSION	
226	3-326-130-01	SPRING, TENSION	
227	3-326-131-01	PLATE (D), LOCK	
228	3-326-132-01	LEVER (D), SW	
229	7-624-102-04	RING (A), E	
231	X-3324-926-1	LEVER ASSY, H	
232	3-325-264-01	LEVER (B), IDLER	

NOTE:

- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

MF:μF, PF:μμF.

RESISTORS

- All resistors are in ohms.
- F : nonflammable

COILS

MMH : mH, UH : μH

SEMICONDUCTORS

In each case, U : μ, for example:

UA....: μA..., UPA....: μPA..., UPC....: μPC, UPD....: μPD...

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
901	★A-3070-147-A	MOUNTED PCB, AUDIO			
C101	1-163-044-91	CERAMIC CHIP 560PF	10%	50V	
C102	1-163-044-91	CERAMIC CHIP 560PF	10%	50V	
C103	1-163-058-00	CERAMIC CHIP 0.0082MF	10%	50V	
C104	1-124-431-00	ELECT 33MF	20%	4V	
C106	1-163-059-00	CERAMIC CHIP 0.01MF	10%	50V	
C107	1-163-059-00	CERAMIC CHIP 0.01MF	10%	50V	
C108	1-131-344-41	TANTALUM 0.33MF	10%	35V	
C109	1-131-346-00	TANTALUM 0.68MF	20%	35V	
C110	1-131-341-41	TANTALUM 0.1MF	10%	35V	
C111	1-131-418-00	TANTALUM 1MF	20%	10V	
C112	1-163-053-00	CERAMIC CHIP 0.0033MF	10%	50V	
C113	1-131-344-00	TANTALUM 0.33MF	20%	35V	
C114	1-124-434-00	ELECT 220MF	20%	4V	
C115	1-163-189-00	CERAMIC CHIP 220PF	10%	50V	
C116	1-163-077-00	CERAMIC CHIP 0.1MF		50V	
C117	1-162-282-00	CERAMIC 100P	10%	50V	
C201	1-163-044-91	CERAMIC CHIP 560PF	10%	50V	
C202	1-163-044-91	CERAMIC CHIP 560PF	10%	50V	
C203	1-163-058-00	CERAMIC CHIP 0.0082MF	10%	50V	
C204	1-124-431-00	ELECT 33MF	20%	4V	
C206	1-163-059-00	CERAMIC CHIP 0.01MF	10%	50V	
C207	1-163-059-00	CERAMIC CHIP 0.01MF	10%	50V	
C208	1-131-344-41	TANTALUM 0.33MF	10%	35V	
C209	1-131-346-00	TANTALUM 0.68MF	20%	35V	
C210	1-131-341-41	TANTALUM 0.1MF	10%	35V	
C211	1-131-418-00	TANTALUM 1MF	20%	10V	
C212	1-163-053-00	CERAMIC CHIP 0.0033MF	10%	50V	
C213	1-131-344-00	TANTALUM 0.33MF	20%	35V	
C214	1-124-434-00	ELECT 220MF	20%	4V	
C215	1-163-189-00	CERAMIC CHIP 220PF	10%	50V	
C216	1-163-077-00	CERAMIC CHIP 0.1MF		50V	
C217	1-162-282-00	CERAMIC 100P	10%	50V	
C301	1-131-393-00	ELECT 47MF	20%	3.15V	
C302	1-124-433-00	ELECT 100MF	20%	4V	
C303	1-124-437-00	ELECT 2.2MF	20%	35V	
C304	1-124-430-00	ELECT 22MF	20%	4V	
C305	1-124-432-00	ELECT 47MF	20%	4V	
C306	1-124-432-00	ELECT 47MF	20%	4V	
C307	1-131-375-00	TANTALUM 4.7MF	20%	10V	
C308	1-163-059-00	CERAMIC CHIP 0.01MF	10%	50V	
C309	1-124-461-11	ELECT 4.7MF	20%	16V	
C310	1-124-435-00	ELECT 10MF	20%	6.3V	
C311	1-124-432-00	ELECT 47MF	20%	4V	
C312	1-163-189-00	CERAMIC CHIP 220PF	10%	50V	
C313	1-163-189-00	CERAMIC CHIP 220PF	10%	50V	

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C314	1-163-189-00	CERAMIC CHIP 220PF	10%	50V	
C315	1-163-039-91	CERAMIC CHIP 220PF	10%	50V	
C316	1-163-039-91	CERAMIC CHIP 220PF	10%	50V	
C322	1-163-001-00	CERAMIC CHIP 220PF	10%	50V	
C323	1-163-053-00	CERAMIC CHIP 0.0033MF	10%	50V	
C601	1-124-438-00	ELECT 1MF	20%	50V	
C602	1-124-431-00	ELECT 33MF	20%	4V	
CN301	1-507-723-00	JACK, EXTENTION POWER			
D301	8-719-901-35	DIODE SLP135B (BATTERY)			
D302	8-719-100-76	DIODE 1S2835			
HP901	8-825-537-51	HEAD, PLAYBACK PP238-3604D			
IC301	8-759-909-64	IC BA3404F			
IC302	8-759-908-08	IC CX20085			
IC303	8-759-200-95	IC TA7688F			
IC601	8-759-801-12	IC LA5523			
J301	1-507-851-00	JACK (HEADPHONES)(B)			
J302	1-507-851-00	JACK (HEADPHONES)(A)			
JR	1-216-296-00	METAL CHIP 0	5%	1/8W	
M901	8-835-136-01	MOTOR, DC (MNR-8000A)			
Q301	8-729-216-22	TRANSISTOR 2SA1162			
Q302	8-729-100-66	TRANSISTOR 2SC1623			
Q303	8-729-100-76	TRANSISTOR 2SA812			
R101	1-216-242-00	METAL CHIP 68K	5%	1/8W	
R102	1-216-242-00	METAL CHIP 68K	5%	1/8W	
R103	1-216-266-00	METAL CHIP 680K	5%	1/8W	
R104	1-216-228-00	METAL CHIP 18K	5%	1/8W	
R105	1-216-188-00	METAL CHIP 390	5%	1/8W	
R106	1-216-250-00	METAL CHIP 150K	5%	1/8W	
R107	1-216-230-00	METAL CHIP 22K	5%	1/8W	
R108	1-216-222-00	METAL CHIP 10K	5%	1/8W	
R109	1-216-201-00	METAL CHIP 1.3K	5%	1/8W	
R110	1-216-224-00	METAL CHIP 12K	5%	1/8W	
R111	1-216-248-00	METAL CHIP 120K	5%	1/8W	
R112	1-216-198-00	METAL CHIP 1K	5%	1/8W	
R113	1-216-150-00	METAL CHIP 10	5%	1/8W	
R114	1-216-202-00	METAL CHIP 1.5K	5%	1/8W	
R115	1-216-186-00	METAL CHIP 330	5%	1/8W	
R201	1-216-242-00	METAL CHIP 68K	5%	1/8W	
R202	1-216-242-00	METAL CHIP 68K	5%	1/8W	
R203	1-216-266-00	METAL CHIP 680K	5%	1/8W	
R204	1-216-228-00	METAL CHIP 18K	5%	1/8W	
R205	1-216-188-00	METAL CHIP 390	5%	1/8W	
R206	1-216-250-00	METAL CHIP 150K	5%	1/8W	

ELECTRICAL PARTS

Ref.No.	Part No.	Description
R207	1-216-230-00	METAL CHIP 22K 5% 1/8W
R208	1-216-222-00	METAL CHIP 10K 5% 1/8W
R209	1-216-201-00	METAL CHIP 1.3K 5% 1/8W
R210	1-216-224-00	METAL CHIP 12K 5% 1/8W
R211	1-216-248-00	METAL CHIP 120K 5% 1/8W
R212	1-216-198-00	METAL CHIP 1K 5% 1/8W
R213	1-216-150-00	METAL CHIP 10 5% 1/8W
R214	1-216-202-00	METAL CHIP 1.5K 5% 1/8W
R215	1-216-186-00	METAL CHIP 330 5% 1/8W
R301	1-216-234-00	METAL CHIP 33K 5% 1/8W
R302	1-216-244-00	METAL CHIP 82K 5% 1/8W
R303	1-216-222-00	METAL CHIP 10K 5% 1/8W
R304	1-216-230-00	METAL CHIP 22K 5% 1/8W
R305	1-216-246-00	METAL CHIP 100K 5% 1/8W
R306	1-216-186-00	METAL CHIP 330 5% 1/8W
R307	1-216-204-00	METAL CHIP 1.8K 5% 1/8W
R601	1-216-204-00	METAL CHIP 1.8K 5% 1/8W
R602	1-216-224-00	METAL CHIP 12K 5% 1/8W
R603	1-216-226-00	METAL CHIP 15K 5% 1/8W
R604	1-216-210-00	METAL CHIP 3.3K 5% 1/8W
RV101	1-230-881-11	RES, ADJ, CARBON 10K
RV201	1-230-881-11	RES, ADJ, CARBON 10K
RV301	1-230-593-11	RES, VAR, CARBON 10K/10K (VOL)
RV601	1-230-881-11	RES, ADJ, CARBON 10K
S301	1-570-175-11	SWITCH, LEAF (POWER)
S302	1-570-255-11	SWITCH, LEAF (DIRECTION)
S303	1-570-261-11	SWITCH, SLIDE (TAPE)
S304	1-570-261-11	SWITCH, SLIDE (DOLBY NR)
TH602	1-800-279-21	THERMISTOR 5K
THP601	1-807-193-11	THERMISTOR (POSITIVE)

ACCESSORY & PACKING MATERIAL

Part No.	Description
3-326-133-01	SCREW, CARRYING CASE
3-326-139-01	CASE, CARRYING
3-326-141-01	CUSHION
3-326-142-01	CASE, ACCESSORY
3-326-143-01	(US).....INDIVIDUAL CARTON
3-326-152-01	(Canadian,AEP,UK)...INDIVIDUAL CARTON
3-326-153-01	(E).....INDIVIDUAL CARTON
3-326-154-01	(E)....SPACER
3-579-788-00	WASHER, STOPPER
3-701-624-00	BAG, POLYETHYLENE
3-703-713-01	STICKER, SONY SYMBOL (10)
3-703-916-01	(BLUE).....LABEL, COLOR
3-703-920-01	(RED).....LABEL, COLOR
3-703-924-01	(YELLOW)...LABEL, COLOR
3-760-542-11	(UK,E).....MANUAL, INSTRUCTION
3-760-542-21	(US).....MANUAL, INSTRUCTION
3-760-542-31	(Canadian)...MANUAL, INSTRUCTION
3-760-542-41	(AEP).....MANUAL, INSTRUCTION
3-795-748-21	SAFETY INSTRUCTIONS, HEADPHONE
3-831-441-XX	CUSHION
3-831-441-XX	CUSHION (E)
7-633-110-41	TAPE (50MMX500M)
8-952-216-91	(E:RED).....MDR-E245/R SET
8-952-216-92	(E:BLUE).....MDR-E245/L SET
8-952-216-94	(E:YELLOW)...MDR-E245/Y SET
8-952-229-90	(US,Canadian,AEP,UK:YELLOW)..MDR-A25L/Y SET
8-952-229-91	(US,Canadian,AEP,UK:BLUE)....MDR-A25L/L SET
X-3326-110-1	CASE ASSY, CARRYING